

What is claimed is:

1. An image processing apparatus comprising:

an edgewindow setting unit for an edgewindow for detecting
an edge of a workpiece;

5 an element setting unit for setting a plurality of window
elements in the one edge window set by said edge window setting
unit;

an edge detection unit for scanning each of the window
elements and obtaining edges every each the window element;

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a calculation unit for obtaining an edge related
information from the edges detected by said edge detection unit.

2. An image processing apparatus as defined in claim
15 1, wherein said element setting unit sets the plurality of window
elements based on a width of the window element which is set
by a user.

3. An image processing apparatus as defined in claim
20 1, wherein said element setting unit sets the plurality of window
elements based on a distance between the adjacent window elements
which is set by a user.

4. A record medium including a program executable on
25 an image processing apparatus, the program comprising

instructions having:

a first function of setting an edge window for detecting an edge of a workpiece;

a second function of setting plural window elements in the one edge window set by said first function;

a third function of scanning each of the window elements and obtaining edges every each the window element; and

a fourth function of obtaining an edge related information from the edges detected in the third function.

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5. An image processing method comprising:

setting an edge window for detecting an edge of a workpiece;

setting a plurality of window elements in the one edge window set;

15 scanning each of the window elements and obtaining edges every each the window element; and

obtaining an edge related information from the edges detected.

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6. An image processing method as defined in claim 5, wherein said element setting step includes setting the plurality of window elements based on a width of the window element which is set by a user.

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7. An image processing method as defined in claim 5,

wherein said element setting step includes setting the plurality of window elements based on a distance between the adjacent window elements which is set arbitrarily by a user.